

DETAILED ACTION

1. Claims 1-7 are allowed.

The following is an examiner's statement of reasons for allowance:

The cited prior art of record considered as a whole (either alone or in combination) fails to teach or suggest:

The method of determining an optimal control profile for adjusting tray-in/out speeds of a tray in an optical disk drive recited in claim 1, comprising: **“setting a plurality of control profile sets;** driving the tray for movement with a control profile among the control profile sets; measuring a plurality of tray speeds of the tray when achieving a plurality of predetermined points in the control profile; determining a plurality of comparison values according to the plurality of tray speeds and a plurality of predetermined tray speeds; checking if the control profile is acceptable or not according to the comparison values; if acceptable, setting the control profile as the optimal control profile; and if not acceptable, determining a next control profile among the control profile sets according to the comparison values and going to the driving step”.

The closest prior art of record teaches a method of adjusting the tray in/out speeds of a tray but fails to teach the various steps used to find the optimal control profile among many predetermined profile sets by comparing the many tray-out speeds.

Regarding claim 8, Applicant has indicated on a phone interview to cancel claim 8.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HENOK G. HEYI whose telephone number is (571)270-1816. The examiner can normally be reached on Monday to Friday 8:30 to 6:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/TAN Xuan DINH/
Primary Examiner, Art Unit 2627
July 18, 2008

/Henok G Heyi/
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